

**In the Claims:**

This listing of claims will replace all prior versions, and listings, of the claims:

**Listing of the Claims:**

1. (previously presented) A needleless luer access connector, comprising:
  - a housing having a top portion defining an inlet opening, a channel defined by at least one sidewall extending from the inlet opening and having a cross section, and a bottom portion defining an outlet opening extending from the channel;
  - a barb formed along the sidewall of the channel and extending into the channel;
  - a septum disposed in the housing, the septum having a proximal portion, a medial portion having an external surface and a cross section less than a cross section of the top portion and less than the cross section of the channel and a distal portion;
  - a longitudinal slit extending through the septum from the proximal portion through the medial portion and into the distal portion; and
  - at least one rib formed on the external surface of the medial portion such that the rib is displaced from the barb until a male luer taper is inserted into the slit, at which point the rib engages the barb.
2. (Original) The needleless luer access connector of claim 1 wherein the longitudinal slit is defined by a pair of transversely extending walls of the septum and the external surface of the medial portion includes at least one portion that is substantially aligned with at least one of the transversely extending walls of the septum and the at least one rib is located on the at least one portion.
3. (Original) The needleless luer access connector of claim 2 wherein the external surface of the medial portion includes two portions, each of which is substantially parallel to the pair of transversely extending walls of the septum.
4. (Original) The needleless luer access connector of claim 3 including two ribs wherein one rib is located on each of the two portions of the external surface of the medial portion.

5. (Original) The needleless luer access connector of claim 4 further including two barbs on the sidewall of the channel.

6. (Original) The needleless luer access connector of claim 5 wherein the two barbs are about 180 degrees apart.

7. (Original) The needleless luer access connector of claim 6 wherein the two barbs are aligned with the two ribs when a male luer taper is inserted into the slit.

Claims 8 – 46 (canceled).